

Question 1

Correct

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Write a program to read two integer values and print true if both the numbers end with the same digit, otherwise print false.

Example: If 698 and 768 are given, program should print true as they both end with 8.

Sample Input 1 25 53 Sample Output 1 false

Sample Input 2 27 77 Sample Output 2 true

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,n1,n2;
5      scanf("%d%d",&a,&b);
6      n1=a%10;
7      n2=b%10;
8      if(n1==n2)
9      {
10         printf("true");
11     }
12     else
13     {
14         printf("false");
15     }
16     return 0;
17 }
```

	Input	Expected	Got	
✓	25 53	false	false	✓
✓	27 77	true	true	✓

Passed all tests! ✓

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Question **2**

Correct

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Objective

In this challenge, we're getting started with conditional statements.

Task

Given an integer, ***n***, perform the following conditional actions:

- If ***n*** is odd, print Weird
- If ***n*** is even and in the inclusive range

- If n is odd, print **Weird**
- If n is even and in the inclusive range of **2** to **5**, print **Not Weird**
- If n is even and in the inclusive range of **6** to **20**, print **Weird**
- If n is even and greater than **20**, print **Not Weird**

Complete the stub code provided in your editor to print whether or not n is weird.

Input Format

A single line containing a positive integer, n .

Constraints

- $1 \leq n \leq 100$

Output Format

Print **Weird** if the number is weird; otherwise, print **Not Weird**.

Sample Input 0

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3

Sample Output 0

Weird

Sample Input 1

24

Sample Output 1

Not Weird

Explanation

Sample Case 0: $n = 3$

n is odd and odd numbers are weird, so we print **Weird**.

Sample Case 1: $n = 24$

n is odd and odd numbers are weird, so we print **Weird**.

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Sample Case 1: $n = 24$

$n > 20$ and n is even, so it isn't weird. Thus, we print **Not Weird**.

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int n;
5      scanf("%d",&n);
6      if(n%2==1)
7      {
8          printf("Weird");
9      }
10     else
11     {
12         if((n>2)&&(n<5))
13         {
14             printf("Not Weird");
15         }
16         else if((n>6)&&(n<20))
17         {
18             printf("Weird");
19         }
20         else
21         {
22             printf("Not Weird");
23         }
24     }
25 }
26 }
```

	Input	Expected	Got	
✓	3	Weird	Weird	✓
✓	24	Not Weird	Not Weird	✓

Passed all tests! ✓

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Question **3**

Correct

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Three numbers form a Pythagorean triple if the sum of squares of two numbers is equal to the square of the third. For example, 3, 5 and 4 form a Pythagorean triple, since $3^2 + 4^2 = 25 = 5^2$. You are given three integers, a, b, and c. They need not be given in increasing order. If they form a Pythagorean triple, then print "yes", otherwise, print "no". Please note that the output message is in small letters.

Sample Input 1 3 5 4 Sample Output 1 yes

Sample Input 2 5 8 2 Sample Output 2 no

Answer: (penalty regime: 0 %)


```

1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      scanf("%d%d%d",&a,&b,&c);
6      if((a*a+b*b)==(c*c))
7      {
8          printf("yes");
9      }
10     else if((a*a+c*c==(b*b)))
11     {
12         printf("yes");
13     }
14     else if((b*b+c*c==(a*a)))
15     {
16         printf("yes");
17     }
18     else
19     {
20         printf("no");
21     }
22 }

```

	Input	Expected	Got	
✓	3 5 4	yes	yes	✓
✓	5 8 2	no	no	✓

Passed all tests! ✓